SEQUENCE LISTING

```
<110> Bloomquist, Brian T.
          Zhelnin, Leonid
   <120> Human Neuropeptide Y-Like G
     Protein-Coupled Receptor
   <130> 02973.00040
   <150> US 60/216,523
   <151> 2000-07-06
   <160> 3
   <170> FastSEQ for Windows Version 4.0
   <210> 1
   <211> 1296
   <212> DNA
   <213> Homo sapiens
   <400> 1
   atgcaggcgc ttaacattac cccggagcag ttctctcggc tgctgcggga ccacaacctg
                                                                           60
   acgcgggage agttcatcgc tctgtaccgg ctgcgaccgc tcgtctacac cccagagctg
                                                                          120
                                                                          180
   ccgggacgcg ccaagctggc cctcgtgctc accggcgtgc tcatcttcgc cctggcgctc
                                                                          240
   tttggcaatg ctctggtgtt ctacgtggtg acccgcagca aggccatgcg caccgtcacc
                                                                          300
   aacatettta tetgeteett ggegeteagt gaeetgetea teacettett etgeatteee
   gtcaccatgc tccagaacat ttccgacaac tggctggggg gtgctttcat ttgcaagatg
                                                                          360
   gtgccatttg tccagtctac cgctgttgtg acagaaatcc tcactatgac ctgcattgct
                                                                          420
   gtggaaaggc accagggact tgtgcatcct tttaaaatga agtggcaata caccaaccga
                                                                          480
   agggetttea caatgetagg tgtggtetgg etggtggeag teategtagg ateaeceatg
                                                                          540
   tggcacgtgc aacaacttga gatcaaatat gacttcctat atgaaaagga acacatctgc
                                                                          600
                                                                          660
   tgcttagaag agtggaccag ccctgtgcac cagaagatct acaccacctt catccttgtc
                                                                          720
   atcctcttcc tcctgcctct tatggtgatg cttattctgt acagtaaaat tggttatgaa
ctttggataa agaaaagagt tggggatggt tcagtgcttc gaactattca tggaaaagaa
                                                                          780
atgtccaaaa tagccaggaa gaagaaacga gctgtcatta tgatggtgac agtggtggct
                                                                          840
                                                                          900
🗎 ctctttgctg tgtgctgggc accattccat gttgtccata tgatgattga atacagtaat
                                                                          960
   tttgaaaagg aatatgatga tgtcacaatc aagatgattt ttgctatcgt gcaaattatt
                                                                         1020
   ggattttcca actccatctg taatcccatt gtctatgcat ttatgaatga aaacttcaaa
                                                                         1080
   aaaaatgttt tgtctgcagt ttgttattgc atagtaaata aaaccttctc tccagcacaa
                                                                         1140
   aggcatggaa attcaggaat tacaatgatg cggaagaaag caaagttttc cctcagagag
                                                                         1200
   aatccagtgg aggaaaccaa aggagaagca ttcagtgatg gcaacattga agtcaaattg
                                                                         1260
   tgtgaacaga cagaggagaa gaaaaagctc aaacgacatc ttgctctctt taggtctgaa
```

1296

ctggctgaga attctccttt agacagtggg cattaa

<210> 2

```
<211> 431
<212> PRT
<213> Homo sapiens
<400> 2
Met Gln Ala Leu Asn Ile Thr Pro Glu Gln Phe Ser Arg Leu Leu Arg
Asp His Asn Leu Thr Arg Glu Gln Phe Ile Ala Leu Tyr Arg Leu Arg
                                25
Pro Leu Val Tyr Thr Pro Glu Leu Pro Gly Arg Ala Lys Leu Ala Leu
                            40
Val Leu Thr Gly Val Leu Ile Phe Ala Leu Ala Leu Phe Gly Asn Ala
                        55
Leu Val Phe Tyr Val Val Thr Arg Ser Lys Ala Met Arg Thr Val Thr
Asn Ile Phe Ile Cys Ser Leu Ala Leu Ser Asp Leu Leu Ile Thr Phe
                                    90
                85
Phe Cys Ile Pro Val Thr Met Leu Gln Asn Ile Ser Asp Asn Trp Leu
                                105
            100
Gly Gly Ala Phe Ile Cys Lys Met Val Pro Phe Val Gln Ser Thr Ala
                                                125
                            120
Val Val Thr Glu Ile Leu Thr Met Thr Cys Ile Ala Val Glu Arg His
                        135
Gln Gly Leu Val His Pro Phe Lys Met Lys Trp Gln Tyr Thr Asn Arg
                                        155
                    150
Arg Ala Phe Thr Met Leu Gly Val Val Trp Leu Val Ala Val Ile Val
                165
                                   170
Gly Ser Pro Met Trp His Val Gln Gln Leu Glu Ile Lys Tyr Asp Phe
            180
                               185
Leu Tyr Glu Lys Glu His Ile Cys Cys Leu Glu Glu Trp Thr Ser Pro
                                                205
                           200
Val His Gln Lys Ile Tyr Thr Thr Phe Ile Leu Val Ile Leu Phe Leu
                                            220
                        215
Leu Pro Leu Met Val Met Leu Ile Leu Tyr Ser Lys Ile Gly Tyr Glu
                                       235
                    230
Leu Trp Ile Lys Lys Arg Val Gly Asp Gly Ser Val Leu Arg Thr Ile
                                    250
                245
His Gly Lys Glu Met Ser Lys Ile Ala Arg Lys Lys Lys Arg Ala Val
                                265
Ile Met Met Val Thr Val Val Ala Leu Phe Ala Val Cys Trp Ala Pro
                            280
Phe His Val Val His Met Met Ile Glu Tyr Ser Asn Phe Glu Lys Glu
                                            300
                        295
Tyr Asp Asp Val Thr Ile Lys Met Ile Phe Ala Ile Val Gln Ile Ile
                                        315
                    310
Gly Phe Ser Asn Ser Ile Cys Asn Pro Ile Val Tyr Ala Phe Met Asn
                                    330
Glu Asn Phe Lys Lys Asn Val Leu Ser Ala Val Cys Tyr Cys Ile Val
                                345
Asn Lys Thr Phe Ser Pro Ala Gln Arg His Gly Asn Ser Gly Ile Thr
                                                 365
                            360
```

02973.00040 405552 5058

```
Met Met Arg Lys Lys Ala Lys Phe Ser Leu Arg Glu Asn Pro Val Glu
                            375
   Glu Thr Lys Gly Glu Ala Phe Ser Asp Gly Asn Ile Glu Val Lys Leu
                        390
                                            395
   Cys Glu Gln Thr Glu Glu Lys Lys Leu Lys Arg His Leu Ala Leu
                                        410
   Phe Arg Ser Glu Leu Ala Glu Asn Ser Pro Leu Asp Ser Gly His
                420
                                    425
                                                        430
   <210> 3
   <211> 1710
   <212> DNA
   <213> Homo sapiens
   <400> 3
   tggccctcga ggccaagaat tcggcacgag gaggcgggga gccagaggcg ccaggaccct
                                                                           60
   cgcgtggcgc tccagcaccc cagaccgtgg cggcgcctcg ccttagggaa gagcaaggga
                                                                          120
   agaactttat tigaaccgcg aacatttitt ggtcactgag atcgagtctc ccagtgcttt
                                                                          180
   ggetteeege etetttateg tgggtttgat eeetgagetg eteteettte eegaacetee
                                                                          240
                                                                          300
   cggggtgcag cctagagccc tcccgcgcgg ctgactccag agtagaggaa gggaggcggc
                                                                          360
   ctccggctgg tcccccgaag ccctcgctgc cccgcagatg cggatggcca gccagtagcg
   ggcggtggcc ccgcgtcccg ggagcgcaca gcaatgcagg cgcttaacat taccccggag
                                                                          420
   cagttetete ggetgetgeg ggaccacaac etgacgeggg ageagtteat egetetgtac
                                                                          480
   eggetgegae egetegteta caccecagag etgeegggae gegecaaget ggeettegtg
                                                                          540
   ctcaccggcg tgctcatctt cgccctggcg ctctttggca atgctctggt gttctacgtg
                                                                          600
   gtgacccgca gcaaggccat gcgcaccgtc accaacatct ttatctgctc cttggcgctc
                                                                          660
   agtgacctgc tcatcacctt cttctgcatt cccgtcacca tgctccagaa catttccgac
                                                                          720
                                                                          780
   aactggctgg ggggtgcttt catttgcaag atggtgccat ttgtccagtc taccgctgtt
   gtgacagaaa tcctcactat gacctgcatt gctgtggaaa ggcaccaggg acttgtgcat
                                                                          840
   ccttttaaaa tgaagtggca atacaccaac cgaagggctt tcacaatgct aggtgtggtc
                                                                          900
   tggctggtgg cagtcatcgt aggatcaccc atgtggcacg tgcaacaact tgagatcaaa
                                                                          960
   tatgacticc tatatgaaaa ggaacacatc tgctgcttag aagagtggac cagccctgtg
                                                                         1020
   caccagaaga totacaccac ottoatcott gtcatcotct toctcotgco tottatggtg
                                                                         1080
   atgcttattc tgtacagtaa aattggttat gaactttgga taaagaaaag agttggggat
                                                                         1140
   ggttcagtgc ttcgaactat tcatggaaaa gaaatgtcca aaatagccag gaagaagaaa
                                                                         1200
   cgagctgtca ttatgatggt gacagtggtg gctctctttg ctgtgtgctg ggcaccattc
                                                                         1260
catgttgtcc atatgatgat tgaatacagt aattttgaaa aggaatatga tgatgtcaca
                                                                         1320
   atcaagatga tttttgctat cgtgcaaatt attggatttt ccaactccat ctgtaatccc
                                                                         1380
                                                                         1440
   attgtctatg catttatgaa tgaaaacttc aaaaaaaatg ttttgtctgc agtttgttat
   tgcatagtaa ataaaacctt ctctccagca caaaggcatg gaaattcagg aattacaatg
                                                                         1500
   atgcggaaga aagcaaagtt ttccctcaga gagaatccag tggaggaaac caaaggagaa
                                                                         1560
   gcattcagtg atggcaacat tgaagtcaaa ttgtgtgaac agacagagga gaagaaaaag
                                                                         1620
```

1680

1710

ctcaaacgac atcttgctct ctttaggtct gaactggctg agaattctcc tttagacagt

gggcattaat tataacaata tcttcataat